



COMPUTER SCIENCE, A.A.S.

COURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
ENGLISH & COMMUNICATION	ENG 1021: ENGLISH COMPOSITION I (REQUIRED) ENG 1022: ENGLISH COMPOSITION II (REQUIRED)	6
MATHEMATICS	MAT 2410: CALCULUS I (REQUIRED) MAT 2420: CALCULUS II (REQUIRED)	10
ARTS & HUMANITIES	PHI 1012: ETHICS or PHI 1013: LOGIC	3
SOCIAL & BEHAVIORAL SCIENCES (SELECT TWO)	ECO 2001: PRINCIPLES OF MACROECONOMICS ECO 2002: PRINCIPLES OF MICROECONOMICS POS 2005: INTERNATIONAL RELATIONS PSY 1001: GENERAL PSYCHOLOGY I SOC 1001: INTRODUCTION TO SOCIOLOGY	6
NATURAL & PHYSICAL SCIENCES	PHY 2111: PHYSICS: CALCULUS BASED I WITH LAB (REQUIRED) PHY 2112: PHYSICS: CALCULUS BASED II WITH LAB (REQUIRED) CHE 1111: GENERAL CHEMISTRY I WITH LAB (REQUIRED)	15
GENERAL EDUCATION CREDITS		40

ADDITIONAL REQUIRED COURSES FOR COMPUTER SCIENCE, A.A.S.

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
COMPUTER SCIENCE	CSC 1019: INTRODUCTION TO PROGRAMMING (REQUIRED)	3
COMPUTER SCIENCE	CSC 1060: COMPUTER SCIENCE I (REQUIRED)	4
COMPUTER SCIENCE	CSC 1061: COMPUTER SCIENCE II (REQUIRED)	4
ADDITIONAL PROGRAM CREDITS		11

ELECTIVE COURSES

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
COMPUTER SCIENCE (SELECT TWO)	CSC 2065: DISCRETE STRUCTURES CSC 2025: COMPUTER ARCH & ASSEMBLY LANG. CSC 2036: C# PROGRAMMING CSC 2037: ADVANCED C# PROGRAMMING	8
MATHEMATICS OR COMPUTER INFORMATION SYSTEMS (SELECT ONE)	MAT 2540: LINEAR ALGEBRA CIS 1028: OPERATING SYSTEMS: USING WINDOWS, OSX, LINUX	3
TOTAL CREDIT HOURS		62



COMPUTER SCIENCE, A.A.S.

Recommended order of courses¹

(The department recommends taking the courses in this order to complete the degree.

FOR COURSES THAT ARE NOT REQUIRED: If you cannot register for the course on this map or want to take one that is not listed, please talk to your pathway advisor.)

SEMESTER 1	CREDITS
ENG 1021: English Composition I (REQUIRED)	3
CSC 1019: Introduction to Programming (REQUIRED)	3
MAT 2410: Calculus I (REQUIRED)	5
PHI 1012: Ethics OR PHI 1013: Logic	3
SEMESTER CREDITS	14
SEMESTER 2	CREDITS
ENG 1022: English Composition II (REQUIRED)	3
MAT 2420: Calculus II (REQUIRED)	5
CSC 1060: Computer Science I (REQUIRED)	4
CHE 1111: General Chemistry I with Lab (REQUIRED)	5
SEMESTER CREDITS	17
SEMESTER 3	CREDITS
CSC 1061: Computer Science II (REQUIRED)	4
PHY 2111: Physics: Calculus Based I with Lab (REQUIRED)	5
CSC 2025: Computer Arch & Assembly Lang. OR CSC 2036: C# Programming	4
ECO 2001: Principles of Macroeconomics OR ECO 2002: Principles of Microeconomics OR POS 2005: International Relations OR PSY 1001: General Psychology I OR SOC 1001: Introduction to Sociology	3
SEMESTER CREDITS	16
SEMESTER 4	CREDITS
PHY 2112: Physics: Calculus Based II with Lab (REQUIRED)	5
CSC 2065: Discrete Structures OR CSC 2037: Advanced C# Programming	4
MAT 2540: Linear Algebra OR CIS 1028: Operating Systems: Using Windows, OSX, Linux	3
ECO 2001: Principles of Macroeconomics OR ECO 2002: Principles of Microeconomics OR POS 2005: International Relations OR PSY 1001: General Psychology I OR SOC 1001: Introduction to Sociology	3
TOTAL CREDIT HOURS	62

¹ Placement into courses is dependent on test scores or credit for prior learning. See a Pathways Advisor for details. Plans that include ESL, CCR, and AAA courses will increase the total number of hours to completion.